River Basin Management in the Sava River Basin

Expert Group on Flow Regulation and Environmental Flows
Zagreb, 11-12 June 2019
Sava RBM Plan

Criteria applied:

- The Sava River and its tributaries with a catchments size of $>1,000 \text{ km}^2$ and rivers of a basin-wide importance (Sotla/Sutla, Lašva and Tinja; area $<1,000 \text{ km}^2$)

- Trans-boundary and national GWBs which are important due to the size of the GWB (area $>1,000 \text{ km}^2$), or for those $<1,000 \text{ km}^2$ trans-boundary GWBs which are important due to various other criteria, e.g. socio-economic importance; uses, impacts, pressures, interaction with aquatic eco-system
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• **Sava River Basin Analysis**
  
  – Requirements of **Art. 5 and Art. 6 of EU WFD** addressed
  
  – **Comprehensive nature**
    
    • **Water quality and quantity**
    • **Hydrology** and **hydromorphology** reports
    • **Integration** with other issues (flood management, navigation development)
  
  – **First (ever) GIS-based maps** of the basin

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- **Significant Water Management Issues**
  - **Pollution**
    (organic, nutrients, hazardous substances)
  - **Hydromorphological alterations**
    (hydropower use, water supply and flood protection facilities)
  - **Groundwater quality and quantity**
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- **Other issues addressed**
  - **Sediment** quant. & qual.
  - **Invasive alien species**
  - **Protected areas**
  - **Integration** with other policies
    - Flood management
    - Navigation
    - Hydropower
    - Agriculture
    - Climate change

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- Data on **topography and hydrography**
- Data on **land cover, eco-regions, WBs, protected areas**
- Data on **pressures**
  - Pollution (organic, nutrients, hazardous substances)
  - Hydropower, water supply and flood protection facilities
  - Pressures on groundwater and sediment
- Data on SW and GW **monitoring systems**
- Data on **water uses and economic data**

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- Water status assessment
- Vision and management objectives
- Programme of Measures

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### Programme of Measures

<table>
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<th>Status</th>
<th>No of agglomerations with UWWTPs-III</th>
<th>No of agglomerations with UWWTPs-II</th>
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</table>

### Water Status Assessment

- **No data**: 99.63%
- **Bad status**: 0.00%
- **Poor status**: 688.09%
- **Moderate status**: 2211.41%
- **Good status**: 1743.05%
- **High status**: 232.78%

![Bar Chart](chart.png)
Sava RBM Plan

• Internal national procedures (2013)

• Adoption of Proposal of the Plan by ISRBC (2014)

• Approval at MoP 5 (2014)
River basin management

- **2nd RBM planning cycle** in progress
  - **2nd Sava River Basin Analysis** ([ISRBC, 2017](#))
    - Update of the first SRBA
  - **Significant Water Management Issues in the Sava River Basin – Interim Overview**, ([ISRBC, 2018](#))
    - Includes an interim overview of implementation of measures
    - web-based consultation
  - **Outline of the 2nd Sava RBM Plan**